

USSN 10/033,086
Attorney Docket No. GC644-3

COMPLETE LISTING OF THE CLAIMS

1. (Previously presented) A peroxide sensitive enzyme particle stabilized for addition to a composition containing peroxygen bleach, the particle comprising a core selected from clays, nonpareils, agglomerated potato starch, seed crystals, inorganic salt or sugar; and a layer surrounding the core, the layer comprising (1) a peroxide-sensitive enzyme component and (2) a hydrogen-peroxide:hydrogen-peroxide-reductase, the reductase at a concentration of about 10 U/g to about 350 U/g of the particle, the particle exhibiting enhanced accelerated storage stability in a detergent base containing peroxygen bleach as compared to an accelerated storage stability of a similar particle without the addition of the hydrogen-peroxide:hydrogen-peroxide reductase.
2. (Previously presented) The particle of claim 1 wherein the enzyme component is selected from a protease, an amylase, a cellulase, or a lipase.
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Previously presented) The particle of claim 1 wherein the layer is a mixture of the hydrogen-peroxide:hydrogen-peroxide-reductase and the peroxide-sensitive enzyme component.
7. (Previously presented) The particle of claim 1 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is coated over the peroxide-sensitive enzyme component.
8. (Canceled)
9. (Previously presented) The particle of claim 1 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is present at a concentration between about 20 U/g and about 200 U/g of particle.
10. (Previously presented) The particle of claim 1 wherein the hydrogen-peroxide-reductase is present at a concentration of about 10- 100 U/g of particle.

USSN 10/033,086
Attorney Docket No. GC644-3

11. (Original) The particle of claim 1 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is present at a concentration of about 10-200 U/ gram of particle.
12. (Original) The particle of claim 1 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is present at a concentration of about 15-150 U/g gram of particle.
13. (Original) The particle of claim 1 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is present at a concentration of about 20-100 U/ gram of particle.
14. (Original) The particle of claim 1 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is present at a concentration of about 60-100 U/gram of particle.
15. (Original) The particle of claim 1 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is a naturally occurring catalase.
16. (Original) The particle of claim 1 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is an engineered catalase.
17. (Original) The particle of claim 1 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is a catalase derived from *Aspergillus niger*.
18. (Original) The particle of claim 1 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is a catalase derived from a *Micrococcus species* of bacteria.
19. (Original) A detergent with peroxygen bleach, such as perborate or percarbonate, including the particle of claim 1.
20. (Withdrawn) A method of stabilizing an peroxide sensitive enzyme component in a peroxygen bleach environment, the method comprising: providing a core; forming a granule by coating the core with the peroxide sensitive enzyme component and a hydrogen-peroxide:hydrogen-peroxide-reductase, the reductase at a concentration of about 10 U/g to about 350 U/g of the granule, the granule with the peroxide sensitive enzyme component exhibiting enhanced accelerated storage stability in a bleach containing detergent as compared to an accelerated storage stability a similar granule without addition of the hydrogen-peroxide:hydrogen-peroxide reductase .

USSN 10/033,086

Attorney Docket No. GC644-3

21. (Withdrawn) The method of claim 20 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is a catalase that is mixed together with the peroxide sensitive enzyme component.
22. (Withdrawn) The method of claim 20 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is a catalase that is added to surround the peroxide sensitive enzyme component.
23. (Withdrawn) The method of claim 20 wherein about 10-200 U of a catalase hydrogen-peroxide:hydrogen-peroxide-reductase is added per gram of the granule.
24. (Withdrawn) The method of claim 20 wherein about 15-150 U of a catalase hydrogen-peroxide:hydrogen-peroxide-reductase is added per gram of the granule.
25. (Withdrawn) The method of claim 20 wherein about 20-100 U of a catalase hydrogen-peroxide:hydrogen-peroxide-reductase is added per gram of the granule.
26. (Withdrawn) The method of claim 20 wherein about 60-100 U of a catalase hydrogen-peroxide:hydrogen-peroxide-reductase is added per gram of the granule.
27. (Withdrawn) The method of claim 20 wherein about 40 to about 350 U of a catalase hydrogen-peroxide:hydrogen-peroxide-reductase is added per gram of the granule.
28. (Currently amended) An enzyme particle for use in compositions containing peroxygen bleach, the particle comprising:
a core consisting of one or more materials selected from clays, nonpareils, agglomerated potato starch, inorganic salts, sugars, and seed crystals;
an enzyme layer surrounding the core, the layer comprising (1) a peroxide-sensitive enzyme component and (2) a hydrogen-peroxide:hydrogen-peroxide-reductase at a concentration per particle of 10 U/g to 350 U/g of particle.
29. (Canceled).
30. (Previously presented) The detergent of claim 19 further comprising a barrier material surrounding the layer.

USSN 10/033,086
Attorney Docket No. GC644-3

31. (Previously presented) The detergent of claim 19 further comprising an outer coating surrounding the layer.
32. (Previously presented) The detergent of claim 19 wherein the peroxide-sensitive enzyme component is selected from a protease, an amylase, a cellulase, or a lipase.
33. (Canceled)
34. (Previously presented) The detergent of claim 19 wherein the layer is a mixture of the hydrogen-peroxide:hydrogen-peroxide-reductase and the peroxide-sensitive enzyme component.
35. (Previously presented) The detergent of claim 19 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is coated over the peroxide-sensitive enzyme component.
36. (Previously presented) The particle of claim 1 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is present at a concentration of about 20-100 U/g of particle.
37. (Previously presented) The particle of claim 31 wherein the hydrogen-peroxide-reductase is present at a concentration of about 60-100 U/g of particle.
38. (Previously presented) The particle of claim 31 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is present at a concentration of about 10-200 U/gram of particle.
39. (Previously presented) The particle of claim 31 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is present at a concentration of about 15-150 U/gram of particle.
40. (Previously presented) The particle of claim 31 wherein the hydrogen-peroxide:hydrogen-peroxide-reductase is present at a concentration of about 40-310 U/gram of particle.
41. (Previously presented) The granule of claim 32 exhibiting enhanced accelerated storage stability as compared to a similar granule without the hydrogen-peroxide:hydrogen-peroxide-reductase.
42. (Previously presented) The detergent of claim 19 wherein active oxygen percentage is not significantly reduced by the hydrogen-peroxide:hydrogen-peroxide-reductase as measured in a wash performance test.